

## AUTONOMOUS EAR-PLUG ALARM WITH SEPARATE SETTING DEVICE

**Abstract:** An ear-plug alarm comprises a base station which sets the time, and ear-piece which provides autonomous timing and alarm functions after it is disconnected from the base station. The base station is implemented in personal computer software with an appropriate interface. Each ear-piece stores its own alarm setting, and operates autonomously after it is disconnected, so that a single base station can support any number of ear-pieces. With this method the alarm becomes a count down from the time that it is set, relieving the ear-piece timer of any long-term accuracy requirement.